

# EUROPEAN PATENT OFFICE

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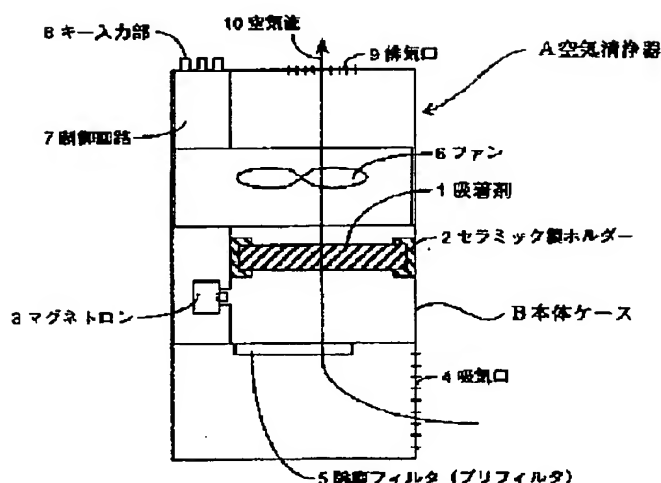
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TITLE : DEODORIZING METHOD



**ABSTRACT :** PROBLEM TO BE SOLVED: To efficiently recover the adsorptive performance during the adsorbing process without removing an adsorbent to recover the adsorptive performance by emitting a microwave to the adsorbent with the lapse of time in the adsorbing process of an odorous material by the adsorbent.

**SOLUTION:** An air purifier A is mainly composed of a body case B, a dust preventing filter 5, a magnetron 3, an adsorbent 1 and a fan 6 which are arranged in order on an air flow 10; and a control circuit 7. The fan 6 is rotated by the instruction from the control circuit 7 to carry air from an intake port 4 to an exhaust port 9 through the dust preventing filter 5 and the adsorbent 1. The air from the inlet port 4 is thus passed through the dust preventing filter 5 to remove large dust, passed through the adsorbent 1 to remove and odorous component, and then exhausted. A key input part 8 inputs a signal in a preset cycle, and the control circuit 7 operates the magnetron 3 according to this signal to emit a microwave, so that the adsorbent 1 is heated thereby to recover the adsorptive performance.

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